

FIG. 1

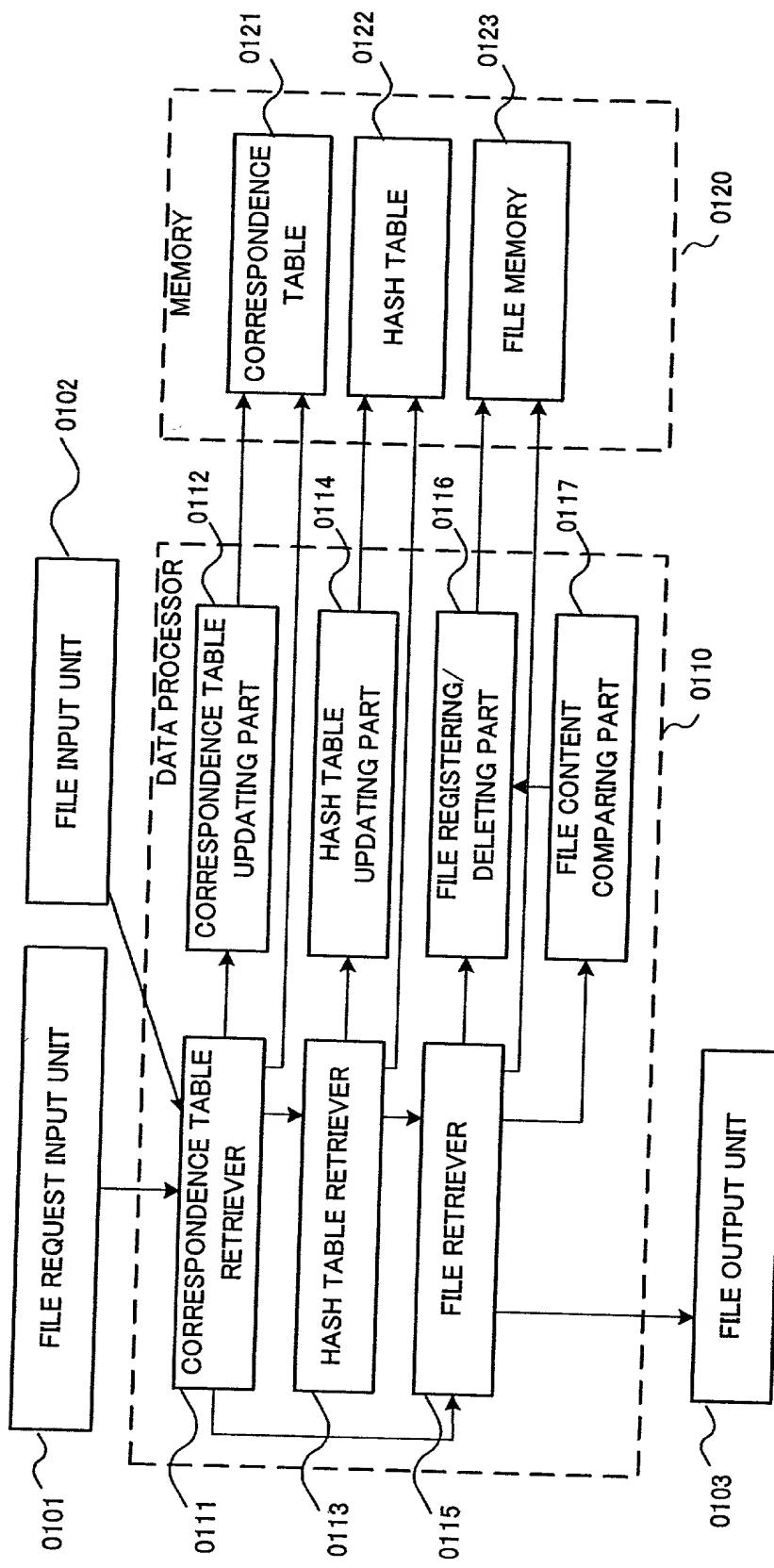


FIG.2

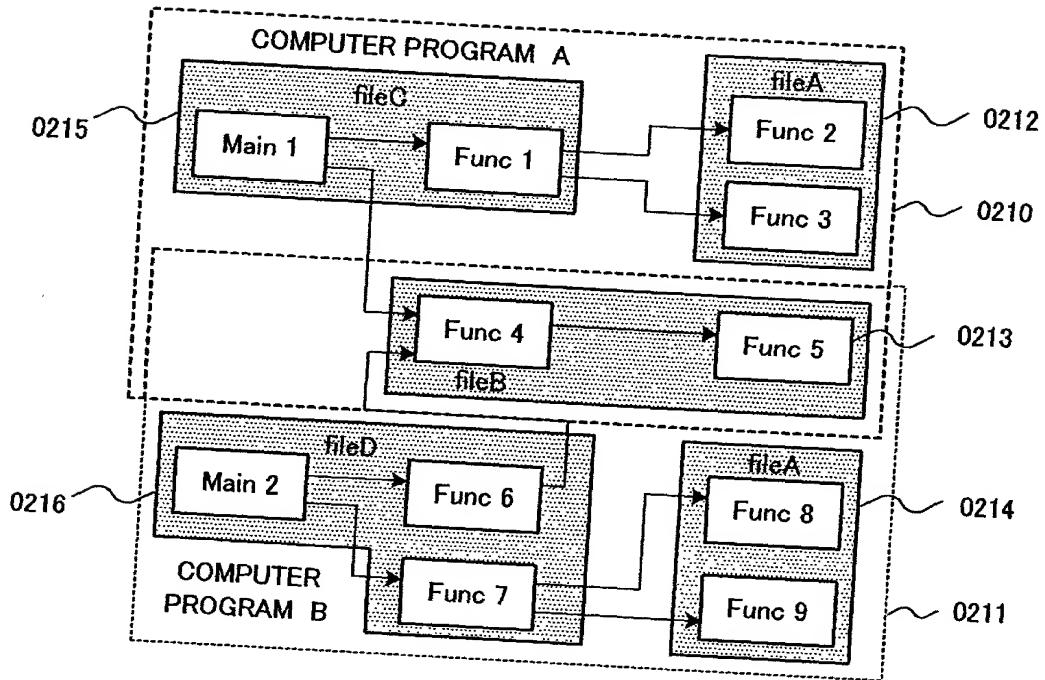


FIG.3

FILE NAME	FILE ID	MANAGING ID
file A	usr 001. prog 01	A-1
	usr 001. prog 02	A-2
	usr 002. prog 01	A-1
file B	usr 002. prog 01	B-1
	usr 003. prog 01	B-2
⋮	⋮	⋮

FIG.4

FILE NAME	FILE	MANAGING ID
file A	FuncA ()	0401
	FuncB ()	0402
	FuncC ()	0403

(a)

KEY VALUE	MANAGING ID
HASH TABLE FOR FILE 0401(=aaaa)	A-1
HASH TABLE FOR FILE 0402(=bbbb)	A-2
HASH TABLE FOR FILE 0403(=bbbb)	A-3

(b)

FIG.8

MANAGING ID	FILE
A-1	FuncA ()
A-2	FuncB ()
A-3	FuncC ()

FIG.5

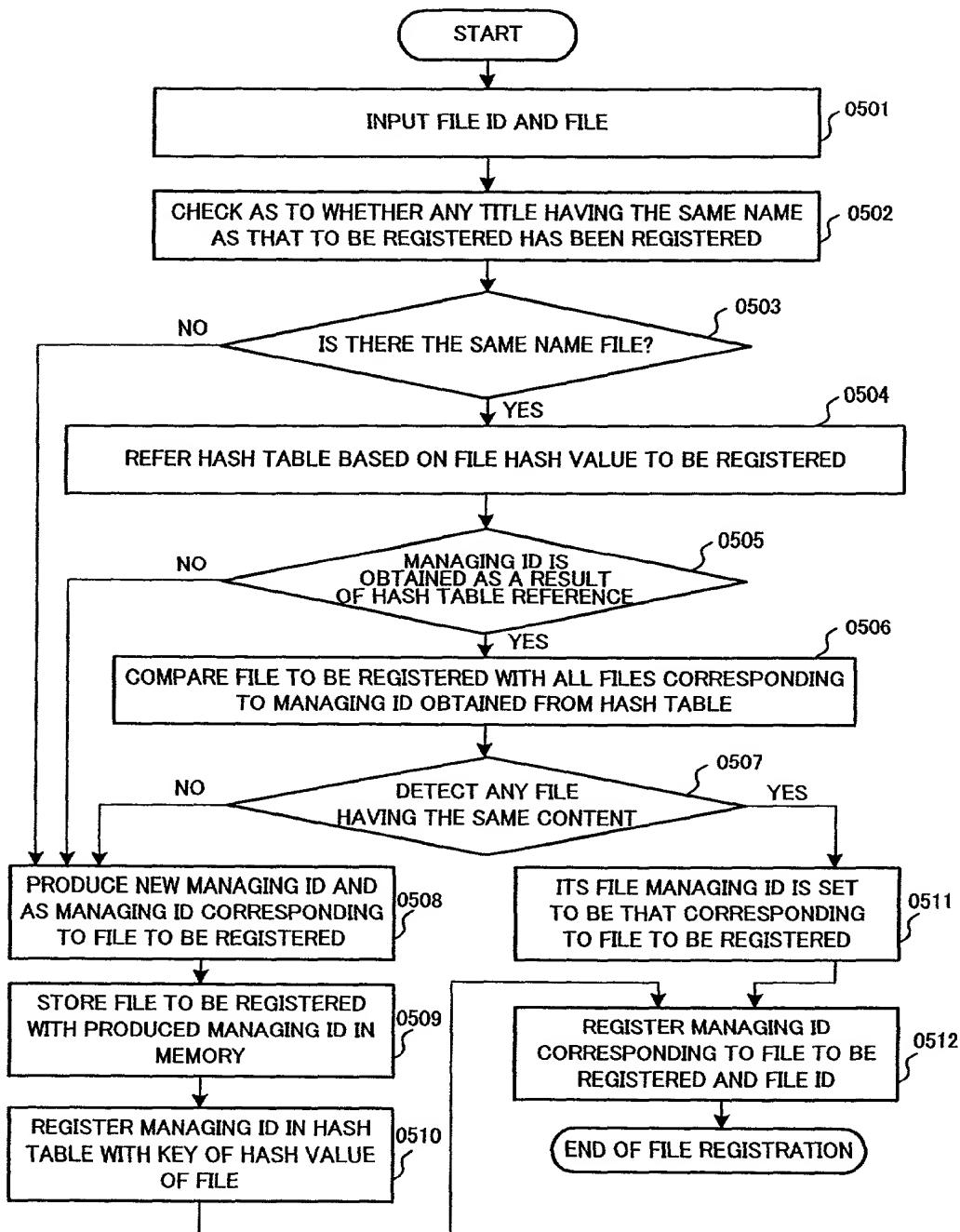


FIG.6

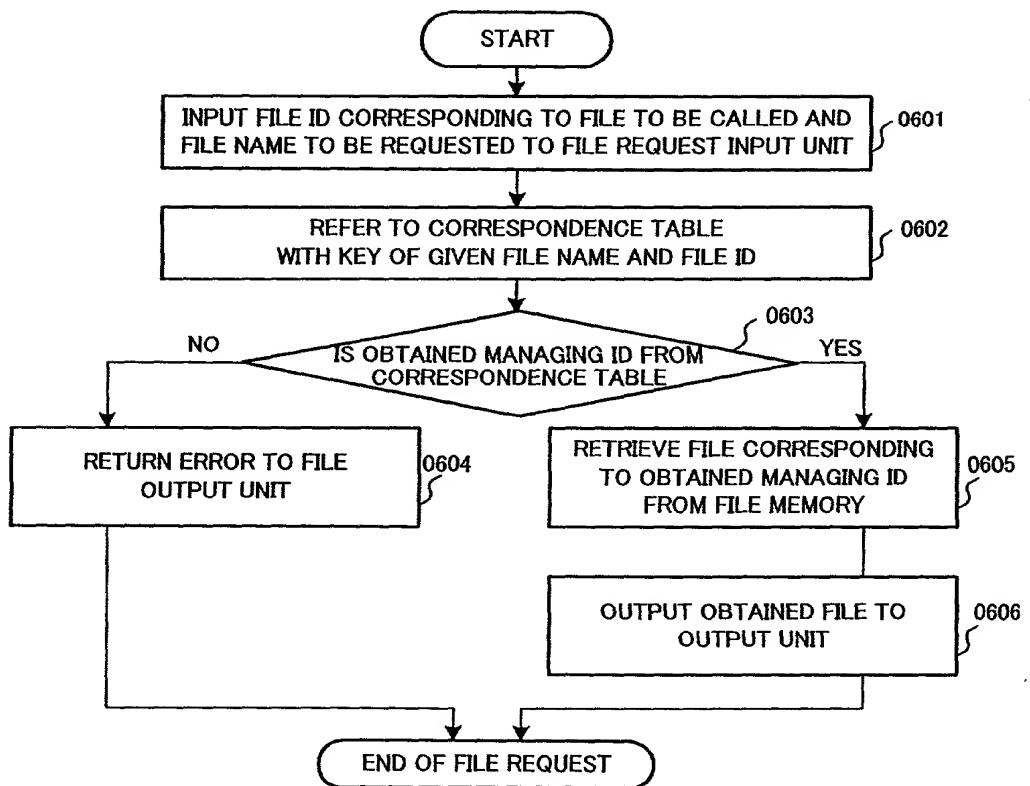


FIG.7

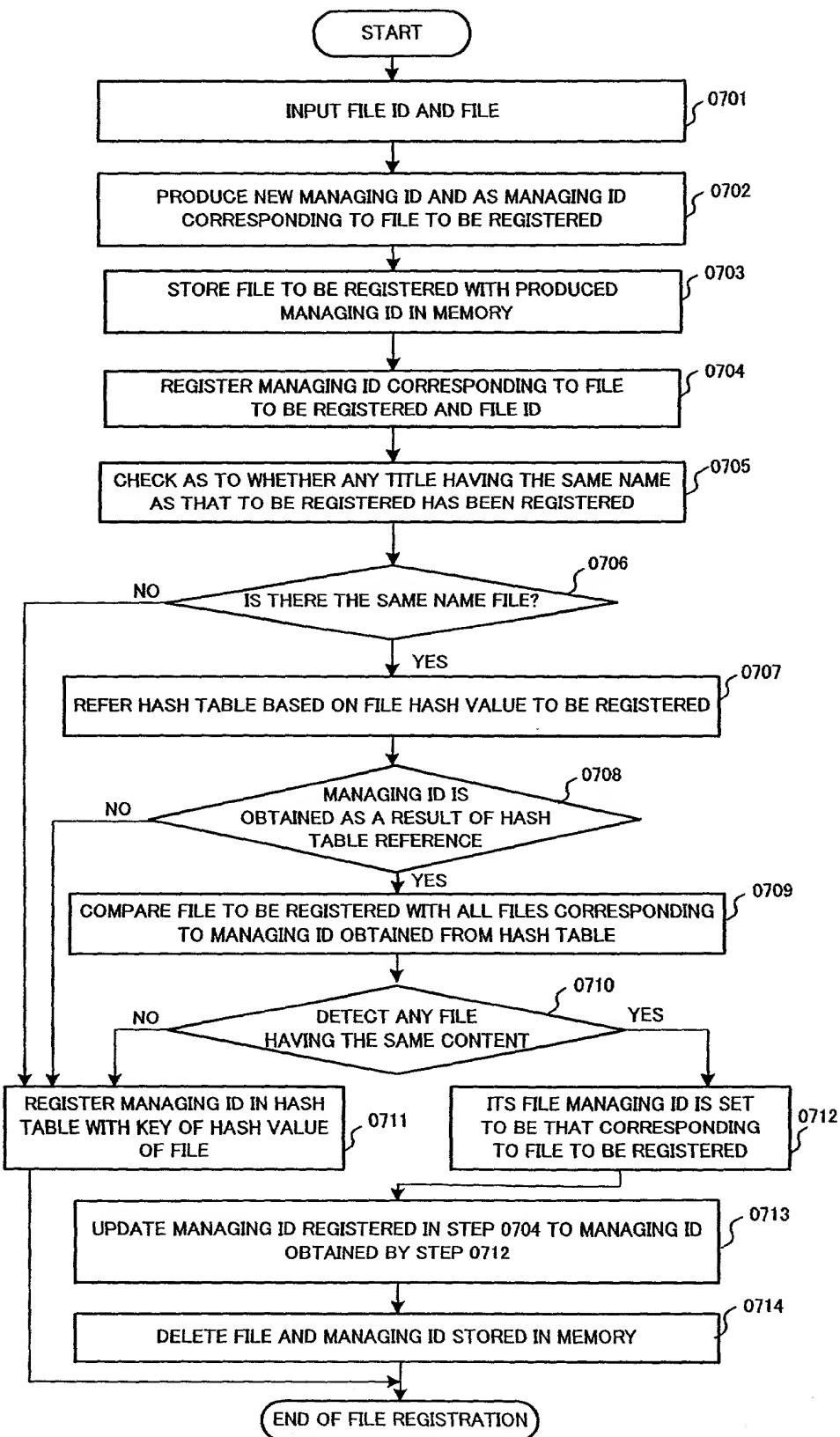
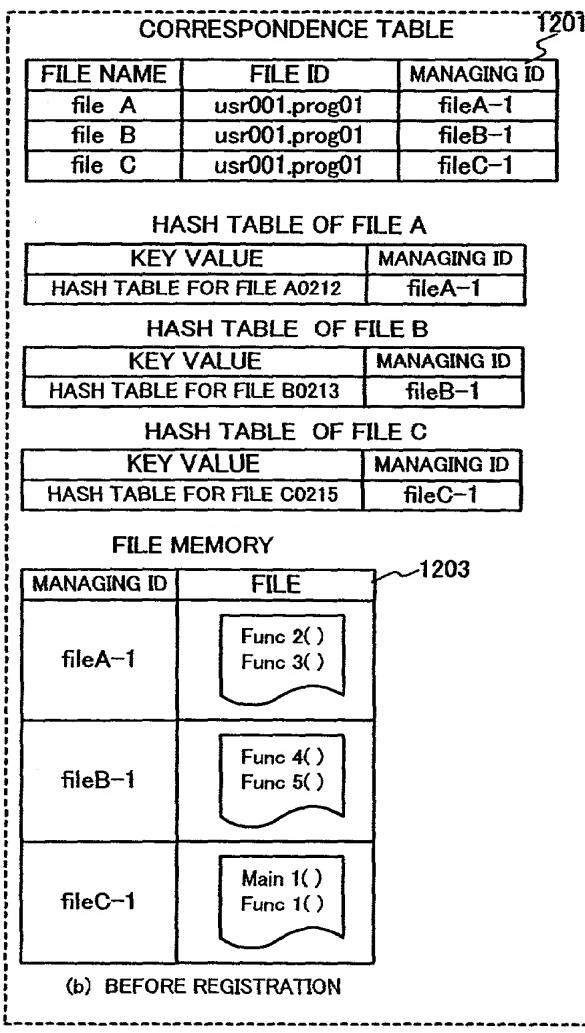
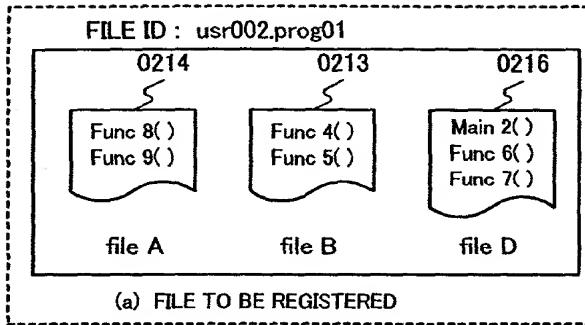


FIG.9



CORRESPONDENCE TABLE

FILE NAME	FILE ID	MANAGING ID
file A	usr001.prog01	fileA-1
file A	usr002.prog01	fileA-2
file B	usr001.prog01	fileB-1
file B	usr002.prog01	fileB-2
file C	usr001.prog01	fileC-1
file D	usr002.prog01	fileD-1

HASH TABLE FOR FILE A 1209

KEY VALUE	MANAGING ID
HASH TABLE FOR FILE A0212	fileA-1
HASH TABLE FOR FILE A0214	fileA-2

HASH TABLE FOR FILE B

KEY VALUE	MANAGING ID
HASH TABLE FOR FILE B0213	fileB-1

HASH TABLE FOR FILE C

KEY VALUE	MANAGING ID
HASH TABLE FOR FILE C0215	fileC-1

HASH TABLE FOR FILE D 1210

KEY VALUE	MANAGING ID
HASH TABLE FOR FILE D0216	fileD-1

FILE MEMORY 1206

MANAGING ID	FILE
fileA-1	Func 2() Func 3()
fileA-2	Func 8() Func 9()
fileB-1	Func 4() Func 5()
fileC-1	Main 1() Func 1()
fileD-1	Main 2() Func 6() Func 7()

1207

1208

(C) AFTER REGISTRATION

FIG.10

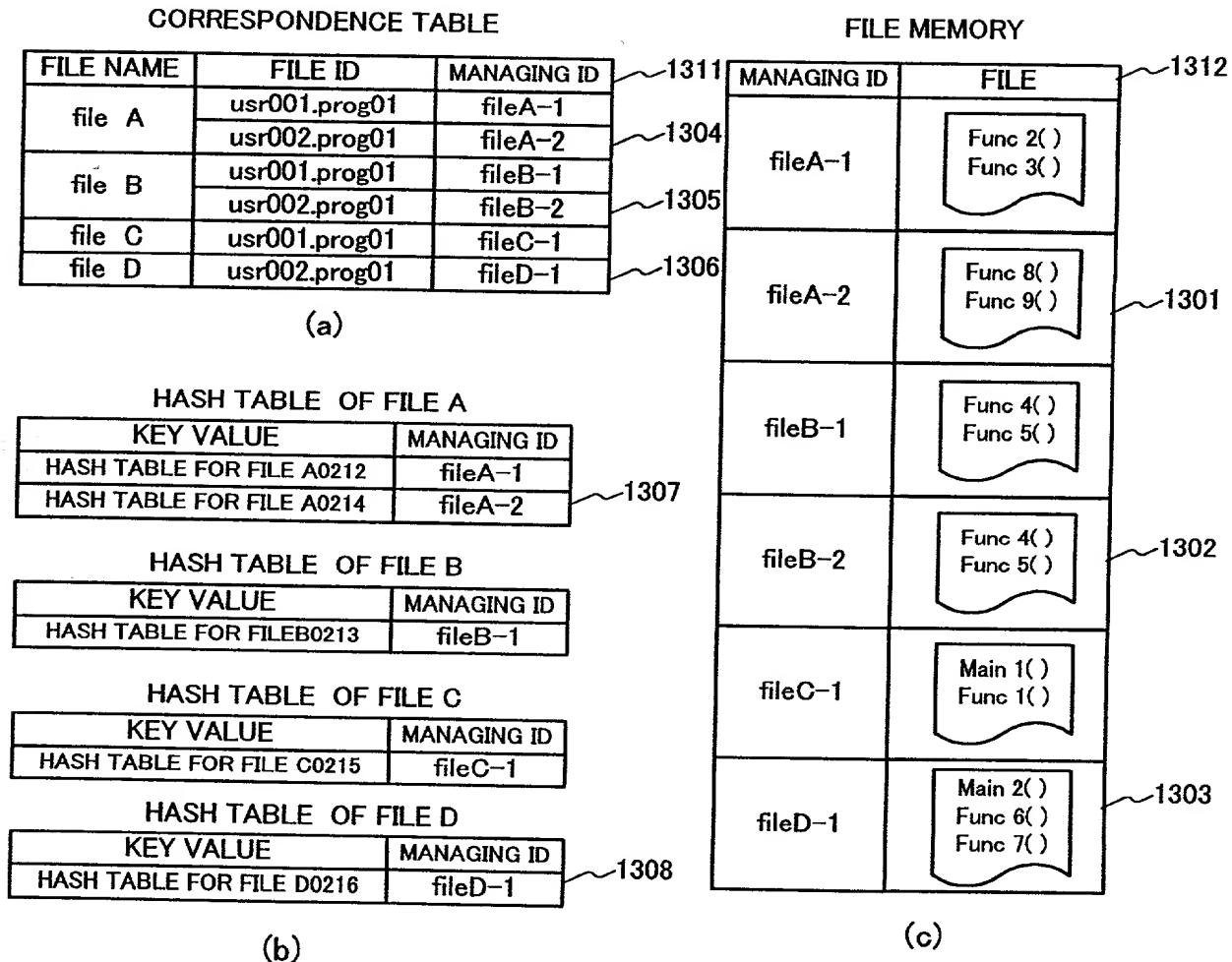


FIG.11

File	ID
HASH TABLE FOR FILE 0401	A-1
HASH TABLE FOR FILE 0402	A-2
HASH TABLE FOR FILE 0403	A-3
HASH TABLE FOR FILE 0404	B-1
HASH TABLE FOR FILE 0405	B-2
⋮	⋮

← FOR FILE NAME "file A"
 ← FOR FILE NAME "file A"
 ← FOR FILE NAME "file A"
 ← FOR FILE NAME "file B"
 ← FOR FILE NAME "file B"

FIG.12

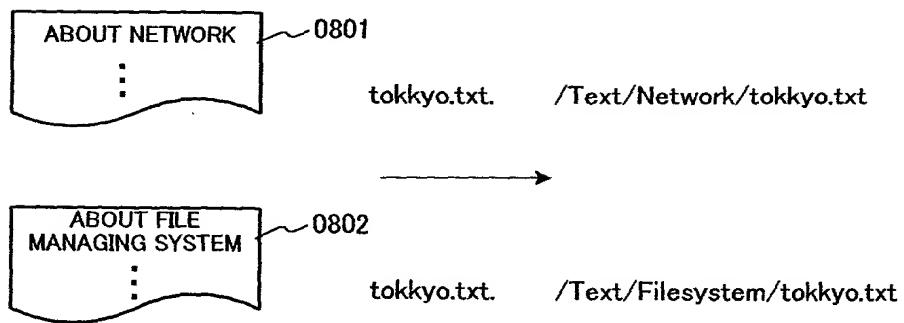


FIG.13

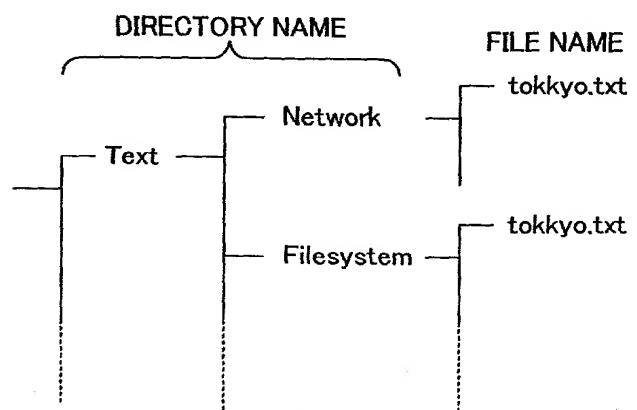


FIG.14

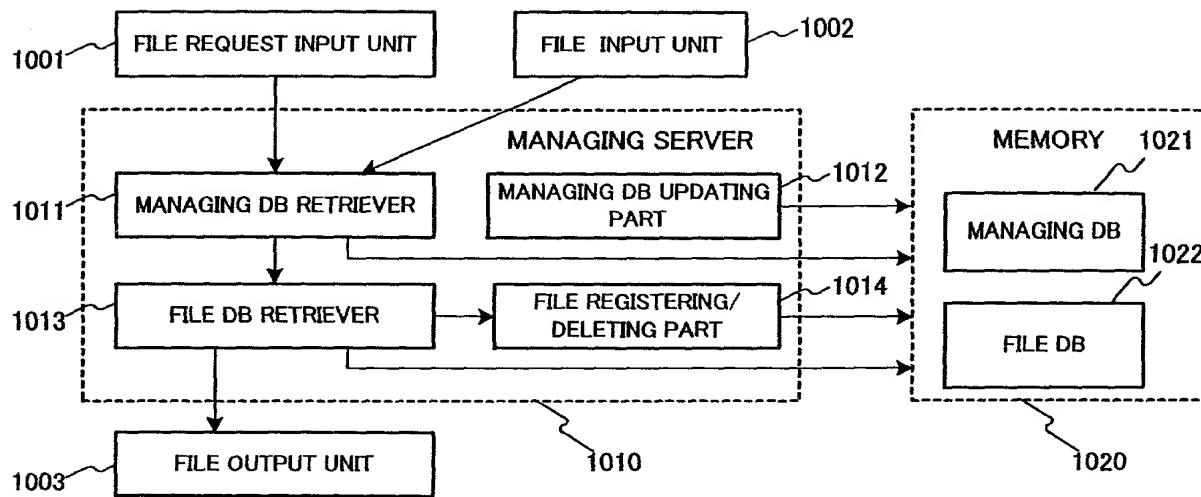


FIG.15

TYPE	FILE NAME	VERSION	MANAGING ID
1	A	1.0	001
2	A	1.0	002
1	A	2.0	003
1	B	1.0	004
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